

WASHLESS RICE PRODUCING APPARATUS AND ITS METHOD

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Abstract

PROBLEM TO BE SOLVED: To prevent pollution by milling unpolished rice to get rid of a bran- component and to obtain milled rice, supplying water to this milled rice to wash the rice, then dehydrating the rice, heating the dehydrated and washed rice in a heating vessel to dry the rice and pulverizing such rice, thereby forming an org. fertilizer or feed and not discarding the washed rice.

SOLUTION: When 1, 1 kg unpolished rice is milled, 0.1 kg bran-component is removed and 1.0 kg milled rice is obtd. This milled rice is supplied to a supply port 5 of a mixing device 1 from a milled rice supply port 6 and simultaneously 0.4 kg water is supplied from a nozzle 7. The milled rice making total 1.4 kg is then washed and part of the water flows down a falling trough 20 through a perforated cylinder 4. The washed rice subjected to draining is dropped from a discharge port 16 to a transfer conveyor 17 and is transferred, at the terminal of which the washed rice is dried by a heater 18 and a fan 19 and 1.0 kg washed rice is obtd. When the water of the washed rice is supplied to a heater 22, the lumps of the milled rice flour is formed. The org. fertilizer or feed is obtd. when these lumps are pulverized by a pulverizing machine 25.

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